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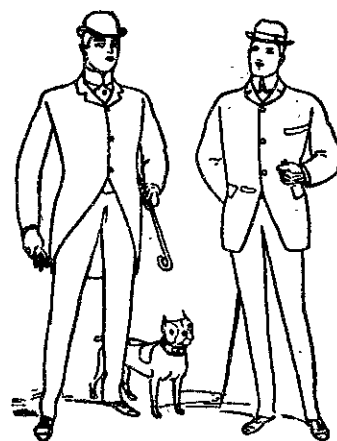
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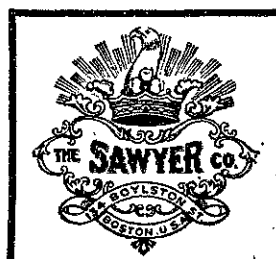
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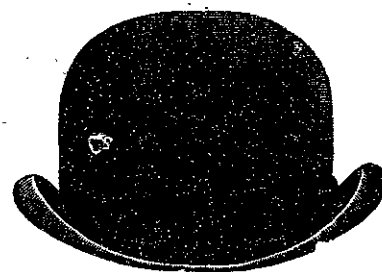
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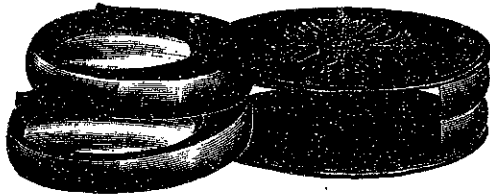
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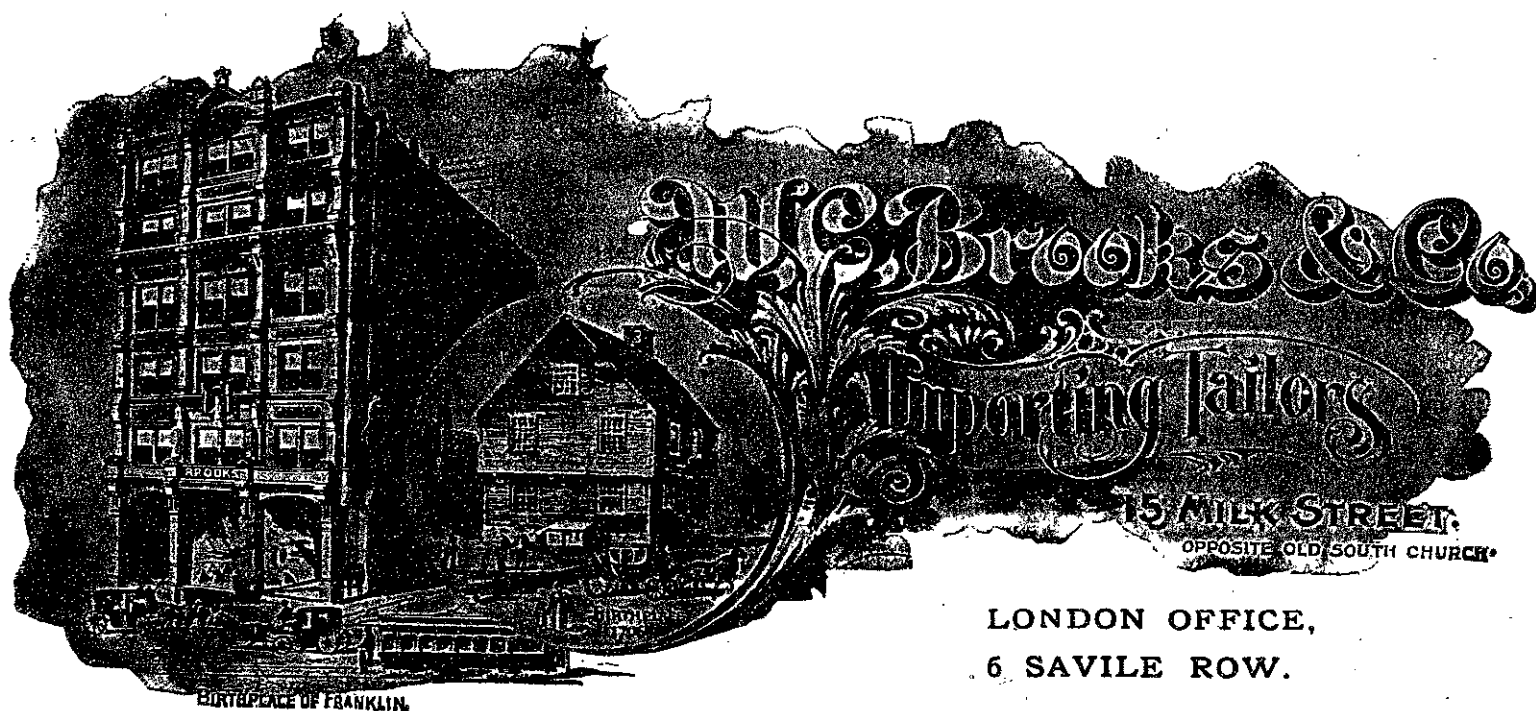
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THE TECH

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THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

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Editor in Chief, Monday, 9-10 A. M.
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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

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LL Tech is in the midst of the festivities of Junior Week. In consequence of the unusual prominence of social life at this time, studies must necessarily suffer.

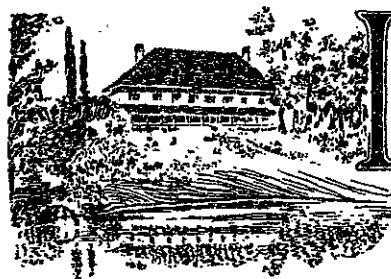
The events of this week contribute to the education of this sort, which is so conspicuous at Tech by its absence. The students should not be called upon to refrain from participation in these festivities because of lessons; this is one of the few times which should be allowed to interfere with the regular work at the Institute. No Tech man is so deluded as to look for official permission for an absolute relaxation from work; but it is only fair

to expect the instructing staff to remember that Junior Week is on, and to gauge the work accordingly.



T the Junior Class Dinner in March the under-graduates' fund for the Walker Memorial was started and the example set there being taken up still more vigorously by the two lower classes, the fund has now reached several hundred dollars.

It is important that the work should go on in the same enthusiastic manner in which it started. The total fund given mainly by the alumni has now reached the neighborhood of \$70,000. Thirty thousand dollars remain to be obtained before July 1st. The alumni of the Institute are much to be congratulated on their interest in the Memorial and the under-graduates can stimulate this interest all the further by its enthusiasm in the matter. THE TECH trusts that the undergraduate efforts will be sustained in support of one of the most praiseworthy undertakings ever identified with Institute affairs.



I N another column of this issue of THE TECH, a brief account of the origin of the phrase "Junior Week" is given.

The week which is now passing is marked with more events undertaken by the student body than in former years, and the events all possess much that is of interest to Tech men. The initial occur-

rence of the week was the Walker Club Play, "A Night Off," which was in every way a conspicuous success. The cast presents an average ability far in excess of the two former performances, and certainly the trip to Northampton should be marked by an enthusiastic reception.

The Spring Concert and Dance of the Musical Clubs is just passing into history and the season for the clubs has now practically ended.

Technique, the event of the week, so far as popularity is concerned, is to be placed on sale at noon to-morrow. In another column will be found a criticism of the book. To say that its high praise is merited is to say simply the truth. Neither time nor expense has been spared to make *Technique 1902*, stand at the head, not only of all former *Techniques*, but of all college annuals over the country. It has been our privilege to see the book previous to its date of issue and it has in every way sustained the traditions that go with *Technique*.

THE TECH tea occurs on the afternoon of the same day and is followed in the evening by the Junior Promenade. The Committee is to be congratulated on its effective work and the selection of the Algoquin Club is certainly very well made. Next to *Technique*, the Prom. is undoubtedly the event which is always most closely identified with Junior Week.

"The Grand Duke" is to be given on May 3rd, and if the demand for seats is to be taken as an index of the success of the show, it will be a striking performance indeed. It is given on a much larger scale than any other of the Technology Dramatics and is to be much looked forward to.

It is now several years since a French play has been given at the Institute and "*Les Romanesques*," given under the auspices of *L'Avenir* is a venture which will have a decided attraction for many. It is to be given

on the 8th of May, completing the list of events of the season. Further particulars will be given in the next issue of THE TECH in regard to the play.

The Dual Meet with Brown which is to be held at Riverside on next Saturday, and the Championship Games which occur at the Charlesbank Gymnasium on May 4, are two attractions which are somewhat out of the usual order of Junior Week events. Altogether the week has opened pleasantly and the season seems destined to end most successfully.

Origin of Junior Week.

The origin of the phrase "Junior Week," is not easily determined today, but the expression came into use at Technology in the year 1894. It arose undoubtedly in connection with the phrase "Junior Assembly," which in 1893 replaced the "Technology Assembly." In the winter of 1894 the Junior Class elected a committee to consider the possibility of a Junior Assembly; the Assembly was held successfully in the spring of the same year, and in the year following the name was altered to "Junior Promenade." About the time of the originating of the Junior Assembly, the phrase "Junior Week," was proposed and was received with much favor. Before 1894 the events occurring in the latter part of each April followed no formal or customary order, and in that year, in March, "Junior Week" was inaugurated, the events of the week being the Musical Clubs' Concert, The French Play, The Junior Assembly and Mrs. Walker's Reception. In 1895 other features were added to the calendar of the week and the events were still better received and more successful. From this time on "Junior Week," with its regular features, has been the week in which Tech men celebrate, and the present one seems destined to be as successful as those of the past.

Some Features of Railroading in the Southwest.

Naturally there is much that is common to railroading whether in the East, or in the Central West, or in what may be called the Far West, which, for some years, was an indefinite quantity, a constantly receding portion of this country; nevertheless, there are some points of difference.

In New England, from the start, there was enough business in sight to justify putting in structures of a permanent character, more expensive at the start, but often more economical in the end under the conditions prevailing here. In the newer regions, many of the railroads which were the most successful and the most valuable to the country, could not have been built when they were unless for instance temporary modern bridges had been adopted rather than stone arches or spans of iron. The modern structures were not only cheaper in first cost but were more quickly erected, and a railroad was very promptly put upon a paying basis, so that its earnings, its profits, were later used in steadily providing better and more permanent structures as the older ones needed replacing. The Western method was superior for the conditions existing there. The American engineer has been remarkable for the ability shown in adapting methods to conditions found to exist. The Western railroad was often pushed ahead from one to four miles a day, and methods of construction were harmonious with this rapidity of work. The railroad from Worcester to Albany was some seven years in process, and slower and more expensive construction was naturally an accompaniment of conditions of conservatism peculiar more to that time perhaps, than merely to locality.

The rapidity of railroad construction was only one of the manifestations of the vigor characteristic of the western country. The Mexican town of Las Vegas, New Mexico, was reached by the railroad in 1879 and by 1882 (possibly earlier), it had a street railway, gas works and water works, which cost about \$100,000, and this with an "American" population of perhaps 3,000 or 4,000.

In the same town (very soon after a city), there were two National Banks, and two large commission houses whose trade extended into the surrounding country for literally several hundreds of miles, houses with business enough in 1886 to allow one of

them to buy such an article as baking powder in car-load lots. The town of Albuquerque, on the Rio Grande, was hardly less enterprising. When a railroad had such marked effect on the prosperity, the development of the country it served, there was special warrant for it to strain every nerve to make rapid strides to reach the earning point, even if its structures, while amply safe, did not give promise of everlasting life.

The country traversed, part mountain, part rolling prairie, and part river bottom, called for skillful work and clear discrimination on the part of the engineer. Rigid standards suitable to the East must needs be laid aside, and that line selected which suitably conformed to the conditions both of the traffic and of the topography of the country. As a matter of fact much of the railroad built was located with the most scrupulous regard to the best modern practice in such work, the standard in this direction being higher than has generally prevailed on railroads in this neighborhood. The conditions absolutely demanded that the railroad built should be economical not only in first cost but for operating as well. That mistakes in detail were sometimes made was but natural.

When the bed of a stream was dry for most of the year, who could foresee how furious it might some day become when fed by a cloudburst in the not distant mountains? The dry stream, the Rio Salado, which already had earned from the railroad the respect expressed by two iron spans of 130 feet each, had the bad grace one day to bring down a torrent which was successful in washing out about half of one of the abutments. The ease with which the "adobe" soil melted when subjected to the scour of the Rio Grande, when charged from the melted snows of the Colorado mountains, was a warning that initial economy might be secured at the expense of large continuous cost for maintenance, and demonstrated that a line close to the river had elements of danger, aside from occupying the most fertile and valuable lands of the valley. In the river bottoms, the lands irrigated by ditches led from the river served to support the native Mexican population whose title to the land dated back perhaps for several centuries although commonly there was not a scrap of paper to legally establish it. The lands taken for the railroad mostly belonged to the small

farmers, who had probably always acknowledged the authority of the "Don" of the neighborhood, and who seldom saw the color of money. Experience, however, showed that these poorer Mexicans ("Greasers" sometimes called), were less readily induced to settle for their lands when an Ex-Governor of a neighboring state strove to impress them with the power of the railroad, than they were when a more modest employé of the railroad accepted in their own homes the hospitality (generally on a very modest scale), which their ingrained politeness made it imperative that they should offer. In mingling with the people of another race, it is wise to cultivate the habit of finding in them all of good you can rather than the opposite. There is a warm corner in the writer's heart for the native Mexican, albeit there was one town where it seemed the part of safety not to spend even a single night. The railroad, too, entered the domain of the Indian, about whom much misunderstanding exists. The truth is, that, as the saying goes, there are Indians and Indians.

As to the Pueblo Indians, there is no problem. They are peaceful, civilized. In some of the "pueblos" or villages, the lands are finely cultivated, vineyards, orchards, and fields of grain and corn giving evidence of their thrift. One Isleta Indian had before his death accumulated a modest fortune estimated all the way from \$25,000 to \$50,000. In another village, the Zandia Indians had long since banished the vineyard because trouble had sometime or other come from the abuse of wine; a sort of prohibition extending to root and branch.

With the Apache and other of the warlike tribes, it has been thought by many that final annihilation was probably the only solution, but as to this the writer's knowledge does not justify a pronounced opinion. Certain it is that many parties of railroad engineers while in the neighborhood of the Apaches, worked only when accompanied by a suitable guard of United States troops. Some of the work at the front was characterized not only by danger but by hardship as well. In many cases no satisfactory maps of the country were in existence, and the reconnoissance in one case was made by a party of carefully picked men, who were out several months, returning, some with gunny sacks tied on to take the place of boots, while for a week or two the supply of water was so

scant that its use was strictly limited to drinking and cooking, washing being necessarily dispensed with for that period. In general, however, the life of the engineer was not one of hardship. Camp fare was good, though the cooks as a class were men of variable temper and when drunk were not to be trifled with. In one case it seemed necessary to shoot one who, doubly armed, "stood off" the entire camp. Possibly in this case a brief period of masterly inactivity might have rendered this radical action unnecessary. The climate, especially in the higher altitudes of New Mexico was almost an absolute delight. The air was dry and clear and bright, it seldom rained, except in the "rainy season" when you might expect a shower every afternoon. It has been stated of Denver that in one red-letter year, on three days only did the sun fail to shine at some time in the day, and this seems not improbable. At altitudes of 6,000 feet or more, really hot weather is practically unknown, more than one blanket is probably needed every night, the perfectly dry air makes a "dog-day" impossible and a sudden fall of temperature to 10 or 15 degrees below zero is less disagreeable in this dry climate than 10 or 15 degrees above in the moist climate of Boston.

Farther south, in El Paso, Texas, and just beyond, in Northern Mexico, the climate becomes mild, or more properly speaking hot, and the native sees fit to take his "siesta" from twelve to two perhaps, and a general air of business is quite lacking in the streets. The lack of necessity for accumulating savings for a hard winter (for they have none) has modified the working habits of the laboring class, and a week or two of earnings was enough to prompt the native Mexican to take a week or two of leisure and thus satisfy the instincts of a people easily rendered "tired." No doubt either by readjustment of wages or by the process of natural selection, the difficulty has by this time been remedied.

In the cities of New Mexico it is easy to find people to one's taste, at least if some spirit of optimism exists, sufficient to prompt one to become part and parcel of the community he is in; and many Bostonians who have tried it, can bear witness to the fact that some of the most enjoyable months in their lives have been spent in this country which is in many ways so delightful.

C. FRANK ALLEN.

Technique 1902.

Technique for some years has been a book of acknowledged excellence, and in its almost uninterrupted progression has approached a limit which would practically be soon reached. In profusion of drawings and other illustrations, in scope and average work of the literary, artistic and humorous parts of the book, and in the matter of special features giving value or general polish to the publication, each year's Board has endeavored,—generally successfully,—to take a step in advance of the one before. Such a series of advances must of necessity lead to increasingly important obstacles; ultimately, it must defeat its own object. The Board of 1902 has obviated this tendency, by a difficult endeavor and an eloquently successful result. It has not followed the general tendency of being "bigger in this and more in that;" it has turned its chief attention into new channels—new departures—that concern the whole book and are indefinitely capable of valuable expansion.

The first thing that strikes one upon opening the book is the new typography. In setting and in all matters relating to the printing side, this *Technique* is undoubtedly in advance of any book that has yet appeared. For the first time the presentation of the reading matter is equal to that of the illustrations. For the first time the contents of the book are fittingly displayed; the same excellence characterizes the work of the printer as of the artist and of the editor. The change is radical and good.

The second important thing is the three-color work on the Frontispiece and Fraternity plates. The effect of these soft-toned colored illustrations is highly artistic and thoroughly pleasing. It is "a step in advance," giving an effect that is new in *Technique*.

The book is dedicated to President Pritchett. A simple but dignified dedication, an excel-

lent photogravure of Dr. Pritchett, and the leading article upon the life of the President are all characteristic, and in harmony with the appreciative and dignified spirit of this portion of the book.

Artistically, the book is of the usual high standard. The Frontispiece and the Fraternity design deserve first mention. They are remarkable pieces. Of the major drawings of the book, after these two, that for athletics leads. The freedom and swing of the figure are superb; the illustration is worthy of an important place in any artistic collection. It is to be regretted that these drawings though done by an alumni are not the work of a graduate, but of one professionally engaged in such work. The illustrations for the classes are good in conception and well done in design. The Sophomore picture is particularly so. For the first time in several years they appear as pen and ink instead of wash drawings, a change that is likely to incur unappreciative and hasty criticism from the many who do not appreciate the relative merits of the two kinds of work. The drawing for Statistics is remarkable for its suggestiveness and dignity. The drawing for the Courses—one of the most interesting—shows great skill in its execution. The Architectural Society, Clubs and Electoral Committee drawings are all among the most striking. The many illustrations for Clubs and Societies, and the like, are often of unique and original design. The artistic appearance of the book as a whole is uniform and harmonious, much enhanced by the old style type arrangement, and by the introduction of red initials and borders on many of the pages. This last is practically a new feature—its results are effective and good. A distinct novelty is the red border of the Grinds, it being a continuous line of diminutive organ-grinders, while that of the Quotations is made up of minute parrots.

The literary features of the book deserve

only commendation. The leading article has been written evidently with the aim to give a straightforward and comprehensive account of the life of the new President. This is done in three divisions—telling of the developmental period, the productive period, and the relations of Dr. Pritchett with the Institute. The work is conscientious and well executed. The Class Histories are of varied style, one being in dialect and another in conversational form. There is a short history of each Institute Club and Association presented on the membership page of the organization—a valuable element in the treatment of the Society department of the book. Illustrated accounts are given of the Summer Schools in Civil and Mining Engineering and in Architecture. An appropriate report is given also of the Institute's Paris Exposition Exhibit. Reference should be made of the introduction of lists giving the names of the past Editors and Business Managers of *THE TECH* and *Technique* and of the Captains and Managers of the Football and Athletic Teams. The verse department of the book contains a varied assortment of rhymes, most of them having a definite bearing on Institute matters. None of the poems are of the inferior order that too often creeps into college books, and some are distinctly good.

The athletic portion of the book has showed perceptibly in the improvement arising from the new departures of this *Technique*. The unique tabulation of the records of this department is a special feature and is of much value. The arrangement of this section is praiseworthy in its originality.

No part of the book shows a better change and a greater improvement over former years than that devoted to the presentation of statistics. The class statistics are given with greater fullness than formerly, and in addition there are included valuable statistical studies. Plots show the graduates of the Institute by years and courses; also a compari-

son of the number of entering and graduating students, by years. The pages devoted to "Concerning the Colleges" are much more comprehensive than those of former years. A list of bequests to the Institute makes a valuable page; and another page "Concerning the Institute," gives succinctly information that is interesting, often wanted, and not easy to get.

Finally, the Grind and Quotation departments will meet with enthusiastic approval. There is slight danger of disappointment. The two chief Grinds, "The Alphabet" and "Historical Technology" are of truly American humor, are timely, and are fair to the people concerned. The "Alphabet" is decidedly clever in rhyme and illustration; but the "Historical Technology" is extravagantly audacious, and yet delicately humorous. Incidentally, it gives occasion for a typographical setting of a title page that makes one of the most pleasing pages ever seen in *Technique*. The drawings of the professors in the "Alphabet" exhibit a certain dry humor which admirably matches the verses. The "Mr. Burrison's Dinner," fittingly adds to the time-honored "Faculty" series of Grinds, and is good. The smaller Grinds and Quotations have few, if any, selections not to be commended; and in general the average of the selections is high. The full page drawings for the first and last pages of the Grinds are appropriate in design and well-conceived.

That the editors and managers have been unstinting in their collection of features, is shown by the fact that the book contains 520 pages, 375 being reading matter, 45 being inserts, and 100 containing advertisements. This makes *Technique*, 1902, the largest on record, having 75 more pages than any other book.

QUERY—Do tumbler pigeons go well with a cold bottle?—*Lampoon*.

Letters of General Walker.

We were very glad to have submitted to us for publication two letters which have recently been accidentally discovered among the old records in the State House. As stated in the letter, they were written by General Walker in 1861; one to Governor Andrews, at that time Governor of Massachusetts, and the other to the Honorable William Schouler, Adjutant General Mass. Volunteer Militia. The letters are in the form of an application for a commission in the military service in the Civil War. At the time these letters were written General Walker was twenty-one years of age, had been graduated from Amherst College but a year, and was employed in the law office of Devens and Hoar in Worcester. Mr. Devens was President Walker's superior officer for a short time during the war, and the other partner was none other than the Honorable George F. Hoar, who has so long and so ably represented Massachusetts in the Senate.

The letter to Governor Andrews is as follows:

WORCESTER, May 31, 1861.

To His Excellency Hon. John A. Andrews,
Governor and Commander-in-Chief.

Sir:—I should be much gratified to receive a Commission in one of the companies to be organized for the war, if it might consist with your duty to the service. I cannot assure myself that I am peculiarly qualified for military rank, to which I have had but little inclination; yet I am confident of a mind willing to perform my office through the length and breadth of it. I have had some instruction in company movements under well-appointed soldiers, and my general education will, I trust, be found sufficient to any probable demand in such position. I beg you, however, not to believe that I make a Commission the condition of my service for I hold myself ready for the humblest and hardest work in the sacred cause. I have the honor to be

Your Excellency's Obdt. Servt.,

FRANCIS AMASA WALKER.

The other following letter to Adjt. Genl. Schouler was forwarded by the recipient to Governor Andrews with the postscript, "This

is a good young man;" signed Wm. Schouler, Adjt. Genl.

WORCESTER, May 31, 1861.

Dear Sir:—I have written to His Excellency requesting a Commission in the service, as I prefer the position of officer to the alternative of private. I should be greatly obliged for your good opinion in this application, if you can afford it without disparaging the cause which we all wish to advance.

I hardly know whether I have a right to address you in this matter, on so short an acquaintance as that I had the honor to form at Amherst, but I do so in the hope that even this may make your mind favorable to my application by some chance. I believe I should make a reasonably good Lieutenant; at any rate I should like to try it, south of Mason and Dixon's line.

Very respectfully,

FRANCIS AMASA WALKER.

Hon. Wm. Schouler,

Adjt. Genl. Mass. V. M.

General Walker received his commission and it is extremely interesting to note the military record which he subsequently made, and which briefly is as follows: Born July 2, 1840; Private and Sergeant-Major, 15th Mass. Infantry, August 1, 1861; Captain, Asst. Adjutant General U. S. Vols., September 14, 1861; staff duty under Genl. Couch, Major August 11, 1862; Brevet Col. U. S. V. August 1, 1864; Brevet Brig. Genl. U. S. V. March 13, 1865; retired January 9, 1866.

The Walker Club Play.

According to the custom of former years the Walker Club this year presented, as the fifth of its series of plays, "A Night Off," by the late Augustin Daly. The production was staged at Copley Hall on the evening of Monday, April 22d, and as the opening event of Junior Week, was a decided success. The hall was not as well filled as it should have been but the audience was select and appreciative to the end. The principals in the cast were mainly present members of the Walker Club, and were aided by Messrs. E. H. Davis, '00, and J. T. Scully, Jr., '00. Those who saw the play of last year, "The Miser,"

will remember Scully as one of the principals in the cast. His work in this year's play was clearly the life of the performance, and as "Marcus Brutus Snap," in pursuit of fame and fortune, under various legitimate aliases, he kept the audience in continual good humor and won repeated applause. William Cornell Appleton, '01, as "Justinian Babbitt," Professor of Ancient History in Camptown University, was also a favorite with the audience. His conception of the part of an old man was good and his role enacted with credit throughout. Davis, as "Jack Mulberry," and Burns, '03, as "Lord Mulberry," the father, were good in their respective parts. The female roles as a whole were well taken, that of "Nisbe," by E. P. Beckwith, being particularly well enacted, J. R. Morse as "Susan," and A. H. Hepburn as "Angelina Damask," both did clever work as female impersonators.

The proceeds of the play this year are to go towards the Walker Memorial Gymnasium Fund, and it is hoped that the second performance will prove even more successful financially than did the initial performance of Monday evening. This second presentation will be made at the Academy of Music in Northampton, on April 26th, according to the custom of former years.

The scene of the play is laid in "The Professor's Study," and the time is "Recently." The plot involves a college professor, "Justinian Babbitt," who has written a Roman tragedy in his college days and thinks it would take well. Marcus Brutus Snap, an actor of questionable talent obtains the play from Babbitt and puts it upon the stage. In the face of almost certain failure, the Professor's reputation is sustained by the wife of Snap, a remarkable woman, who substitutes for the classic tragedy, "A Night Off," thus bringing about a happy ending to the troubles of the Professor and his family.

The play this year is under the manage-

ment of Messrs. Lowe, Gilson and Upham, and the cast of characters in its entirety is composed of: Messrs. W. C. Appleton, R. H. Rogers, E. H. Davis, F. Burns, J. T. Scully, Jr., L. S. Bouscaren, Jr., E. P. Beckwith, A. H. Hepburn, J. R. Morse.

The program cover by A. H. Hepburn and the poster by E. F. Lawrence and W. G. Holford deserve special mention as being particularly creditable to the Club and the designers.

Those of the patronesses best known to the students were Mesdames H. S. Pritchett, F. W. Chandler, J. W. Crofts, C. F. G. Currier, D. R. Dewey, R. S. Peabody, A. S. Porter, W. Z. Ripley, W. B. Rogers, A. L. Rotch, W. T. Sedgwick, H. W. Tyler and F. A. Walker.

Spring Concert and Dance.

The spring concert and dance tonight at Paul Revere Hall promises to be one of the most pleasant events of Junior Week. The clubs have for the past few weeks been preparing some new music for this, the closing concert of their season. The program will be as follows:

- | | | |
|----------|--|-----------------------------|
| PART I. | | |
| 1 | Ho! Jolly Jenkins | <i>Sullivan</i> |
| | GLEE CLUB. | |
| 2 | San Toy March | <i>Jones</i> |
| | BANJO CLUB. | |
| 3 | Solo | <i>Selected</i> |
| | MR. HOOKER. | |
| 4 | Salome | <i>Lorraine</i> |
| | MANDOLIN CLUB. | |
| 5 | Sextet from a Bygone Day | <i>Arr. by Hooker, '02.</i> |
| | Messrs. HOOKER, WILSONS, SEAVER, BATEMAN,
and McDOUGAL. | |
| 6 | Operatic Potpourri | <i>Arr. by Lansing</i> |
| | BANJO CLUB. | |
| PART II. | | |
| 7 | The Magic Strings | <i>Pomeroy</i> |
| | MANDOLIN CLUB. | |
| 8 | Quartet | <i>Selected</i> |
| | Messrs. BOYD, FOSTER, BENSON, CUMMINS. | |
| 9 | Mammy's Little Honey | <i>Tracy</i> |
| | GLEE CLUB. | |
| 10 | Tutti Frutti | <i>Boyd, '01</i> |
| | BANJO CLUB. | |
| 11 | A Little Bit of Fun | <i>Arr. by Leon</i> |
| | MANDOLIN CLUB. | |
| 12 | Schneider's Band | |
| | MR. SEAVER and GLEE CLUB. | |

The Tech Show.

The play to be produced this year is "The Grand Duke," a comic opera by Gilbert and Sullivan that has never before been produced in America. The opera has a gay, merry and nonsensical Gilbertian plot in which are ingeniously interwoven the complications of a band of strolling actors. The scene is laid in the grand duchy of Hesse Halbo Pfennig, where the office of Grand Duke is a matter of annual election. The manager of the local theatrical company, observing the unfitness of the incumbent duke, manages to have himself elected to the regal chair, and is followed successively in this position by several other members of the company, all of whom find it a thorny seat.

During the two acts of the opera nearly one hundred students will appear upon the stage. The cast of principals will include Messrs. Emery, Brush, Driscoll, Rowe, Gunn, Swenson, Payne, MacDougall, Gardner, McGann, Gleason, King, Blatt and Loughlin.

The dancing will, as in former years, be made an important feature of the show. There will be a queer, jerky dance, by the Grand Duke's seven chamberlains, and a Sabot Dance, in the clattering wooden foot-gear of the Dutch peasant, by ten of the best-skilled "feat-footers" in Tech's boundaries.

The central incident of the show is a new form of duel called "statutory." By a truly Gilbertian device two gentlemen, each of whose existence is an offence to the other, can fight a duel under proper legal supervision with a pack of playing-cards, each drawing one to the elaborate accompaniment of appropriately tremolo music. The drawer of the lowest card is promptly pronounced permanently dead to the world, and his widow and heirs proceed to the settlement of his estates. This scene is cleverly pictured in the pleasing posters, in colors of brown and green, which are now out.

Tennis Association.

The M. I. T. Tennis Association held a meeting last week at which the following officers were elected for the ensuing year: President, E. H. Cutter; Vice-President, J. R. Jones; Secretary and Treasurer, P. D. A. Hawkins; Executive Committee, J. T. Cheney, D. M. Belcher, G. B. Wood; Representative to N. E. I. T. A., D. M. Belcher.

Work has commenced on the courts to insure their being ready for the spring season.

The Society of Arts.

The 553rd regular meeting of the Society will be held at the Institute, Rogers Building, on Thursday, April 25, 1901, at 8 P.M.

Prof. J. E. Denton, Stevens Institute of Technology, will address the Society on "Principles of Action of Various Types of Refrigerating Machines." The lecture is to be illustrated with the stereopticon.

Members are requested to invite friends interested in the subject.

Calendar.

Wednesday, April 24th.—Junior Week issue of THE TECH. Spring concert and dance, Paul Revere Hall, Huntington Ave., 7.45 P. M.

Thursday, April 25th.—*Technique 1902* out at 12 M. in Rogers Corridor. THE TECH Tea, THE TECH Office, Rogers Building, 4.00 to 6.00 P. M. Junior Promenade, Algonquin Club, Commonwealth Ave., 9.00 P. M. Society of Arts Meeting, Rogers Building, 8.00 P. M.

Friday, April 26th.—Regular Tech Y. M. C. A. Student Meeting, Room 11, Rogers, 4.10 P. M.

Saturday, April 27th.—Dual Meet with Brown at Riverside, 2.00 P. M.

Tuesday, April 30th.—Dress rehearsal of "The Grand Duke," Hollis Street Theatre, 2.00 P. M.

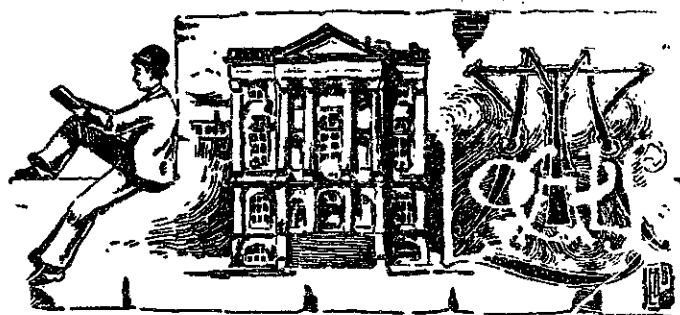
A Matter of Gravity.

"I can't skate any more; my hands are too cold."

"What have they got to do with it?"

"Why, I can't hold my balance."

—*Lampoon.*



E. Henne, IV., '02, is confined to the hospital with an attack of typhoid fever.

P. Parrock, wishes to urge most strongly the necessity of immediately filling out and handing in the Senior statistical blanks.

At a meeting of the Class of 1904, April 16th, it was voted to levy an assesment of fifty cents to see if they cannot throw off their present indebtedness.

The mentions have been awarded on the 3d year pen and ink renderings for the last plate as follows: Wellman, 1st; Greeley, 2d; Ross, 3d; Jackson, 4th; DeColmesnil, 5th; Goldenberg, 6th; Richardson, 7th.

The Board regrets to say that one of its members, Mr. H. W. Maxon, '01, is quarantined in Westerly, R. I., with scarlet fever, and will not be able to be back for several weeks.

Those students of whatever class, who wish to compete in rifle practice next Saturday afternoon should put in an application to or see Captain Baird without delay so that proper arrangements can be made in the meantime.

The Musical Clubs held their annual Wellesley Concert last Wednesday at the Town Hall. A very interesting program was given, but owing to the bad weather there was not as large an audience as expected.

Three posters have been issued the past week which every Tech man should add to his art collection. They are the Walker Club Play Poster by Lawrence and Holford,

and the "Grand Duke" and *Technique* Posters by Bird and Hazelton.

The third-year problem in architecture—a design for a Natural History Museum and surrounding grounds has been finished and the studies are being posted in the exhibition room preparatory to the awarding of mentions.

President Pritchett was the guest of honor at the annual banquet of the Connecticut Valley Technology Association in the Massasoit House, Springfield, Saturday evening. About thirty-five members were present. President Pritchett told of the progress here at Tech, and several others made speeches.

Those who attended the Walker Club meeting on Tuesday afternoon, April 16th, were well repaid by the interesting address of Mr. Potter, '03, who depicted the trials and hardships of Russian students and spoke of the recent troubles in Russia. Mr. Potter has been a Russian student himself and so knows their life and can speak from personal experience.

Last Saturday four drawings were forwarded to New York to compete for the gold medal awarded the best design by the Society of Beaux Arts Architects of New York. The designs forwarded by the Tech competitors were the work of Messrs. Little, '00; Appleton, '01; Walker '00, and Ford, '00.

Porter, '96, was the last Tech man to be awarded the medal and for the last four years the work has not been considered of sufficient merit to warrant the awarding of anything but mentions. The exhibition of the competitive design will be held on Monday, May 13th in New York.

FRESHMAN IN THE COLLEGE—I got a notice from Cram this morning.

FRESHMAN IN THE SCIENTIFIC SCHOOL—Well, I got a Love letter.—*Lampoon.*



Tech has a good track team this year and will show particular strength at the Brown meet on April 27, at Riverside, in events in which it was weak last season. In the short dashes, several candidates are blossoming, and to win these races is the hope of the men. Should the 100 and 220 be captured by M. I. T., there is no good reason to doubt that the score of last year will be reversed. Much depends on the sprinters. Thus far there has been excellent work in training, and if Boggs, Crowell, Haines, Avery, Winchester, Doyle, Gleason and Brown continue the friendly rivalry so well commenced, it is very probable that a ten-second man will be the outcome.

In the hurdle races and the half and quarter mile runs, there is material yet to be tried, and the prospects of producing good contestants are of the best. At the longer running events, things do not look so bright. In the pole vault and the jumps the records of last season are almost sure to be beaten and this means points. "Points, points;" these are, after all, the important items. One little point may set things our way and if you see a point (this to the competitor) gather it in. An inch in a leap or a yard in a race; gather them up. One here and another there is the best way to get them. There is more pleasure in cheering over a team of a dozen point winners than in constantly yelling at a luminous star.

In the weights it is probable that we will not get first places but we ought to win a

number of points from second and third places.

It is not satisfactory work to predict winners because it frequently happens that making excuses after the sports are over is a much more unpleasant task. Who knows what Pope may do in the hurdles this year. Who knows whether or not Dave Hall has a brood of runners that he may be able to shelter from the increasing strides of Stockman and Worcester?

The bicycle race is uncertain but the whole eight points should go to Tech.

The score at the dual games last year was: Brown, 81; M. I. T., 54. Let us hope, that if not reversed, Tech will at least lead by a good margin.

Freshmen vs. St. Marks.

The Tech Freshmen were defeated by a score of 16 to 5 in their game with St. Marks last Wednesday. This was largely due to poor base-running and field work. The field work was not as good as last time and the errors made were costly. There was an improvement however in the batting, which is very encouraging.

ST. MARKS.					TECHNOLOGY.				
	bh	po	a	e		bh	po	a	e
Spaulding, 3b.	1	5	0	2	Crane, cf.	0	1	0	1
Robeson, 1b.	1	8	0	1	Metcalf, 1b.	1	10	0	1
White, lf.	1	0	0	1	Hunter, c.	1	2	2	0
Flichtner, ss.	4	3	4	1	Long, ss.	2	3	3	1
Dodge, c.	3	4	3	1	Martenet, lf.	1	2	1	2
Elkins, rf.	1	2	0	0	Dennie, rf.	1	1	0	0
Tyler, 2b.	1	1	4	3	Crocker, 3b.	0	0	1	2
Bunting, cf.	2	2	0	0	Linch, 2b.	0	1	0	1
Lewis, p.	1	1	0	0	Stebbins, 2b.	0	1	0	1
Orr, p.	1	1	0	0	Dolan, p.	1	3	4	1
Totals	16	27	11	9	Totals	7	24	11	10
Innings				1 2 3 4 5 6 7 8 9					
St. Marks				1 2 2 4 0 5 1 2					—16
Technology				0 0 2 1 2 0 0 0 0					—5

Runs made by Spaulding, Robeson, White, 3, Fichtner, 4, Dodge, Elkins, 2, Tyler, Bunting, 3, Metcalf, Hunter, Dennie, Crocker, Dolan. Three-base hit, Spaulding. Home run, White. Struck out, Stebbins, 2, Hunter, Elkins. Double play, Robeson. Hit by pitched ball, Bunting, Crocker. Time 2h. 10m. Umpire, Miles.



'95. Charles L. Parmelee, I., XI., is Consulting Expert for New York Continental Jewell Filtration Company. He retains his position of Chief Engineer, Continental Filter Co.

'96. James G. Mellnish, IX., of the firm of Bell and Mellnish, Civil and Sanitary Engineers, has been appointed General Superintendent of the Union Gas and Electric Company, Bloomington, Ill.

'95. Alfred E. Zapf, IV., formerly Draughtsman for W. T. Sears, Architect, has accepted the position of Vice President of the American School of Correspondence, Boston.

'96. George S. Hewins, I., is with L. N. Farnum, Contractor, Exchange Building, Boston.

'96. R. E. Bakenhus, I., as the result of a competitive examination, has been appointed a civil engineer in the United States Navy. He is now stationed at the Philadelphia Navy Yard. His engagement to Miss Edith Steacy Rogers, of Washington, is announced. The wedding will take place this summer.

'96. Albert E. Smyser, S. M., II., is assistant superintendent, Open Hearth Department, Duquesne Works, Carnegie Steel Company, Duquesne, Penn.

'97. Charles H. Eames, VI., is electrical engineer with Stone & Webster, electrical experts and engineers, Boston.

'97. Percy G. Stiles, VII., who after graduating from the Institute took a course at Johns Hopkins is now assistant in physiology at that university.

'98. Robert S. Allyn, II., who graduated

from the Columbia Law School last June, is now with Mitchell, Bartlett and Brownell, lawyers, New York.

'98. William D. Blackmer, III., is superintendent of the Hart Gold Mining Company, Cripple Creek, Colo.

'98. Edward M. Taylor, II., was on April 8th married to Miss Agnes Wharton Reeves at Poughkeepsie, N. Y. Frederick Field, '96, XI.; George Fuller, '90, V.; Benjamin Hurd, '96, VI., and Charles Watrons, '99, IV., acted as ushers, at the wedding. Mr. Taylor has for the last few years been engaged in installing coast defense artillery and is at present located at Fisher's Island.

'98. George R. Wadsworth, I., is assistant engineer, New York Central and Hudson River R. R., New York.

'99. William B. Flynn, VI., is electrician for the New York and New Jersey Telephone Company, Brooklyn, N. Y.

'99. Stanley Motch, III., is superintendent of the Union Copper Mining Company, Gold Hill, N. C.

'99. Alexander R. Holliday, I., is Assistant Engineer, Maintenance of Way, Pennsylvania R. R., Alleghany, Penn.

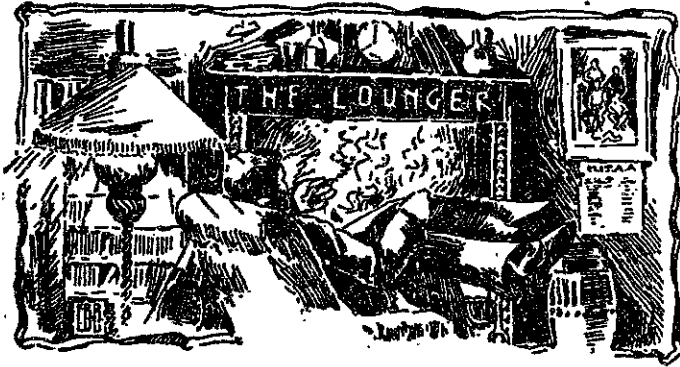
'99. Robert Wallace, XIII., is Manager of West Bay City Branch of American Shipbuilding Company, Cleveland, Ohio. He launched his first ship last summer.

'00. Samuel B. Elbert, III., is engaged in the mining business in Denver, Colo.

'00. Sullivan Jones, IV., is with Bab, Cook, and Willard, Architects, 3 West 29th Street, New York.

'00. Ralph Root, III., is with Frank Nicholson, Consulting Mining Engineer, Joplin, Mo.

'00. Henry D. Jouett, I., is Inspector of Bridge Erection, New York Central and Hudson River R. R., Utica, N. Y. He visited the Institute last week.



THE LOUNGER has seen many evidences of a healthy spirit of enterprise in the various societies and organizations at Technology this year. The Y. M. C. A. circular letters are a daily help to his tired brain, the art of the Musical Club's manager in poster-making has not been in vain, but the latest object to attract THE LOUNGER's notice has been the poster scheme of *Technique*. We are refreshed each dreary rainy morning with a bright witticism or a phrase heavy-laden with student meaning — a phrase that we can turn over in our brains in applied lecture and wonder at. "There are no Elevators in the House of Success" — take the stairs. "All is not Gold that Gathers no Moss." Surely such a proverb must go sounding down the corridors of time — until it strikes a scrap-basket. But there is another side to our picture. Think of the poor man who lies asleep at night thinking of the "Daily Bread for Daily Needs" of tomorrow. Think of the medley that may be chasing itself through the brain, combinations such as "The Early Bird Catches the Rolling Stone," or "The Early Worm is not all that Glitters." Such is life, however. We cannot all die a soldier's death; some of us must live and write.

The signs of the times have a power of persuasion over us that is not appreciated. As we journey from building to building with our burdens of notes the changes about us slowly but surely impress upon us the fact that Spring has come. For a week or more THE LOUNGER has been going through this process. In the first place he was stung for five for his Prom. tickets, and after that the signs rained upon him thick and fast; Walker Club play tickets, Concert and Dance passes, *L'Avenir* pasteboards, for all of which THE LOUNGER made a flying trip home and pawned the barn. Then there came the sign of the harpist and violinist in front of Rogers, the centre of a halo of bad pennies. As the soft fresh air stirred the hearts of the gathering on the steps and the music of the harp and violin quieted the nerves so wrought up by an Applied recitation, THE LOUNGER felt that it was indeed good to be alive, and as he looked up and

down the street and saw the brilliant costumes, occasioned by the Horse Show, blending with the bright green of the budding trees, his feelings got the better of his head and before he could control himself he had gone into the Bursar's office and paid his term bill. Take heed all ye who may be as susceptible to the poetry of Spring as THE LOUNGER and do not so lose control of yourselves as to have a rush of generosity to the head.

But of these signs and others THE LOUNGER cannot say more for lack of space, though the editor-in-chief has indeed been kind to him this week. One sign more, however, firmly establishes the conviction that Spring is with us. The step coverings of Rogers have been removed. On with the dance! Winter's cold fingers have once more let go their grasp on time.



Last year when THE LOUNGER attended the effort of the Walker Club to revive an old English play, he was impressed with the docile capabilities of the audience. As for THE LOUNGER, he shared more or less, the general impression that the revival would be the alpha and omega of Walker Club Dramatics. To approach the subject of the resuscitation of old English plays in such a spirit of unweariness and innocence, tempered only by the vicarious advice of the English Professor, the Walker Club soared to heights such that the audience was completely out-generated, outwitted and routed. It was with some apprehension that THE LOUNGER approached the doors of Copley Hall on last Monday evening, for the play was "A Night Off" and the transition from Moliere to Augustin Daly was rather ominous. But his fears were without foundation; here was a play which did not apparently have to be revived before presenting, which resuscitation, if unsuccessful, is always so inconvenient. It was with pleasure then that THE LOUNGER greeted the old familiar drawing room scene as the curtain went up to the accompaniment of an orchestra of six — a scene which has had a hallowed place in the affections of THE LOUNGER since Copley Hall was established. Of the characters of the play, THE LOUNGER admits his incapability to record his feelings exactly. Snap contributed to the immortality of the evening by his impersonation of a ballet-girl in the third act — a triumph not to be recorded in cold blood. The clever character work of Snap's wife, also, was entrancing and the fact that throughout the entire play she did not leave the stage was one of the pleasures of existence. In estimating Susan, THE LOUNGER has to guard himself sedulously against being extravagant in praise, for surely there never appeared a more delicate portrayal of refined femininity — a perfect Titania, who, poised on a leafy twig, twittered prose-poems in music-box modulations, — and THE LOUNGER is only human. Jack

appeared four times in three acts and THE LOUNGER fancies that, inasmuch as he appeared each time in a different costume, other appearances were omitted from the deficiency of his wardrobe. Of Mulberry, THE LOUNGER is able to recall only his gentleness and winning attitude and to regret that he could not have been cast for a female role, in which he would have shown with the other lights. While Angelica was not exactly like Miss Henrietta Crosman, her naive sobriety deserves all commendation in that the manner was different from that of a Co-ed. The Professor was particularly effective in the intoxicated scene — which was also the scene in which he was intoxicated. Mrs. Babbitt presented by her gestures an excellent representation of a woman learning to swim, while Damask played the part of a perpetual somnambulist well, and Nisbe, a sort of paroxysm of immortality in disguise, gave a most effective impersonation of a Tech Co-ed endeavoring to elongate the Secretary's leg. In general the play was built on the plot of a Tech professor who tries to write a Technology Minstrel show, and the performance ends in a riotous scene such as THE LOUNGER imagines a Freshman laboratory. To say that the play was successful is to pay too simple a compliment to the management; to say that it suited THE LOUNGER is to be veracious and if one wants to laugh well and long, both with and at the cast, by all means he should hasten to buy a ticket for "A Night Off," when produced at Northampton.



THE LOUNGER has been annoyed by considerable discussion on the question as to whether a university should be situated in a town or city. Now THE LOUNGER may be in a satisfied mood, or he may have been too assiduous in attendance at chapel, but the fact is that he believes that Tech is above such petty quibblings. Old Tech; that place the object of which is rather hazy, but the real image of which is cast at the Bursar's window. THE LOUNGER is a firm supporter of the maxim, that all things work together for good to those who keep their mouths shut. So he has maintained eloquent silence throughout all these bickerings, sustained in his position by his faith in the absolute, unquestionable excellence of Tech and all its appurtenances. THE LOUNGER desires to present a few of the reasons upon which he grounds this unswerving trust, and hopes that they will prove sufficient to substantiate his claims. As Tech is essentially a college for athletics, this subject will first be viewed from a physical standpoint. The studied promiscuity of the deposition of the buildings comprising the Institute is above praise, and the four or five flights of shoe-rasping stair-cases connected with each building are commendable features. Both of these advantages furnish excellent opportunity for thigh and calf development. The untiring interest

of the Secretary in the affairs of the students deserves recognition. The Tabular View is admirably arranged to carry out this system of exercise. Tech students are also undergoing a training in the art of dodging in their hourly pilgrimages across Boylston Street which should serve them well if any, by chance, should fall into the matrimonial state. This recalls to mind an incident which occurred last Fall. A Freshman hesitatingly stopped a car as he was on the eve of crossing Boylston Street and timidly asked the motorman if he would receive a shock if he stepped on the rails. "Yes, my son, if you put one foot on the rail and the other on the trolley." The Tech man is well supplied with places for worship. In addition to the many edifices for this purpose scattered about Back Bay are the heretofore-mentioned chapel, sometimes slandered with the name of Convent, and Room 11, Rogers, during Descrip. Lecture. THE LOUNGER need not dwell upon the many places of amusement open to members of the Institute; they are too well known. Thanks to the protecting care of President Pritchett, Rogers steps may still serve as a grand stand from which to view the passing carnivora. Speaking of grand stands, THE LOUNGER is reminded that he once deplored the fact that the Corporation had not purchased the territory in the neighborhood of Newbury Street. He bows to the foresight of the founders of Technology. He realizes, now, the increased value which the girls' private schools on said street give to Tech. He would suggest that bleachers be constructed at the rear of Rogers and Walker, and that the time of recess of the afore-mentioned misses be held open for the edification of those students interested in this rival of the horse and dog shows. If this was done President Pritchett would undoubtedly succumb to his better promptings and supply said bleachers with cushions. The ever-present sample of Allen's Earthworks, open for inspection to all who struggle through the perfume-laden air of Westminster esplanade, has before been remarked on in these columns. The wisdom of the introduction of the new course in Landscape Gardening has been clearly shown by the artistic manner in which tomato cans and ash heaps decorate the avenue leading to the shops. Now that he is run down THE LOUNGER would wind up these remarks by stating that the movement with regard to a new gymnasium far from meets with his sympathy. But if such an unnecessary evil is insisted upon he would suggest that in addition to providing means for athletic training a little economy be practiced. This can be done in no better way than by continuing in the policy of the Institute as regards the situation of its buildings. This new building might be devoted to lecture halls and recitation rooms, but still serve as a medium for exercise, if it was erected on some inexpensive lot of land in the vicinity of T-Wharf.

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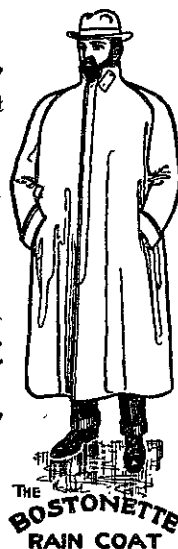
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Tremont Theatre.—Miss Henrietta Crosman will close her very successful engagement this week. Next week Weber and Field’s All-Star Company will give a play in two parts:—one called “Fiddle-Dee-Dee;” the other being a composite travesty on

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Castle Square Theatre.—“Lynwood” is being presented this week. The scenes are laid in Kentucky during the civil war and are extremely well done. “The Octoroon” is announced as the attraction for next week.

Boston Theatre.—Last week of Mme. Bernhardt and M. Coquelin. Next week William West’s Minstrels.

Park Theatre.—“Brown’s in Town” for the rest of this week.

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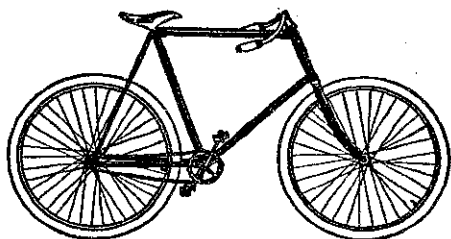
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